

Food Science

Improvement Activity Equipment List

<u>Quantity</u>	<u>Item/Description</u>	<u>Estimated Cost</u>
<u>Equipment:</u>		
4	Microscopes, 4X, 10X, 40XR, Parafoval Objectives Widefield 10X Eyepiece with Pointer, Disc, Diaphragm, 15W Illuminator, 360 Degree Rotatable Head.	\$2,000.00
25	Safety Goggles, adjustable sizes for eyeglass and contact lens wearers.	\$175.00
2	Electronic balance, must mass 0.01g to 250g	\$780.00
<u>Chemicals:</u>		
100 g	ascorbic acid (for human consumption)	\$11.00
500 mL	glycerol	\$9.00
500 g	lactose (for human consumption)	\$10.00
250 g	maltose (for human consumption)	\$14.00
1 g	methylene blue	\$14.00
500 mL	phenolphthalein	\$6.00
200 g	potassium chloride	\$8.00
500 g	potato starch powder pure corn	\$26.00
100 g	sodium bisulfite (not metabisulfite)	\$8.00
500 g	sodium hydroxide	\$11.00
4 lb.	alconox cleaner	\$21.00
<u>Additional Supplies:</u>		
6	10 mL graduated cylinders, pyrex	\$60.00
6	100 mL graduated cylinders, pyrex	\$108.00
6	1000 mL beakers	\$60.00
24	100 mL beakers	\$58.00
24	250 mL beakers	\$55.00
24	250 mL Erlenmeyer flasks	\$210.00
20	400 mL beakers	\$56.00
12	alcohol thermometers, -20 to 100 C	\$57.00
12	burets, glass	\$768.00
2	food dehydrators	\$100.00
72	microscope slides	\$8.00
6	ring stands with utility clamps	\$144.00
20	stirring rods	\$6.00
6	test tube racks	\$120.00
144	test tubes, pyrex, 18x150mm	\$87.00
12	test tube brushes	\$24.00
100	disposable polyethylene aprons	\$22.00
20	petri dishes, disposable, polystyrene, sterile	\$8.00
12 rolls	pH paper, 1-15 range	\$62.00
25	pipette, dropping, plastic	\$7.00
5	spatula, micro, stainless steel	\$4.00
1 package	weighing paper (500 sheets)	\$15.00
5	stop watches	\$60.00
1	lab safety chart	\$49.00
1	lab techniques chart	\$49.00
10 packages	Disposable gloves (5 pkgs. Large, 5 pkgs. Medium)	\$24.00
5	Beaker tongs with protective sleeves	\$41.00
1	Fire Blanket	\$75.00
1	Glow Germ Kit	\$53.00
4	blenders or food processors	\$115.00
4	23cm diameter cake pans	\$12.00
4	candy thermometers	\$16.00

4	cutting boards	\$20.00
4	electric hand mixers	\$60.00
4	forks	\$5.00
1	aluminum frying pan	\$15.00
1	aluminum frying pan with non stick coating	\$15.00
1	cast iron frying pan	\$15.00
1	stainless steel frying pan with copper bottom	\$15.00
1	porcelain enamel frying pan	\$15.00
1	stainless steel frying pan	\$15.00
12	funnels	\$18.00

Additional Supplies: (con't)

1	hot air popcorn popper	\$20.00
4	125 mL measuring cups	\$10.00
4	250 mL measuring cups	\$10.00
4	50 mL measuring cups	\$10.00
12	cooling racks	\$120.00
4	metric rulers	\$6.00
8	large mixing bowls	\$40.00
4	muffin tins	\$12.00
4	paring knives	\$16.00
4	pastry blenders	\$12.00
10	clear glass pie plates	\$40.00
4 packages	pins with plastic heads	\$2.00
4	plastic or wooden mixing spoons	\$3.00
4	plastic rings, 5.3 cm wide x 2.5 cm high	\$5.00
4	rolling pins	\$20.00
8	sauce pans	\$50.00
4	sauce pans extra large	\$25.00
4	sifters	\$10.00
6	slotted spoons	\$25.00
4	rubber spatulas	\$8.00
4	spatulas, straight edge	\$10.00
8	spoons, 5 mL	\$15.00
4	serving spoons	\$10.00
4	strainers	\$15.00
4	tongs	\$10.00
8	heat resistant trays	\$25.00
8	wide mouth jars 0.9 L with lids	\$25.00

Estimated Total

\$6,373.00

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